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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DE LUMLEY-WOODYEAR ET AL. Examiner: UNKNOWN
Serial No.: 09/746,620 Group Art Unit: 1645
Filed: DECEMBER 21, 2000 Docket No.: 12008.21USC1
Title: MULTI-SENSOR ARRAY FOR ELECTROCHEMICAL RECOGNITION OF
NUCLEOTIDE SEQUENCES AND METHODS

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H.Q.J.
2/5/02

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on August 17, 2001.

By: *Kristine A. Walsh*
Name: *Kristine A. Walsh*

SECOND PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to examination please amend the above-identified patent application as follows.

In the Specification

Please delete the paragraph beginning at page 8, line 27 and ending on page 9, line 4 in its entirety.

Please replace the paragraph beginning at page 53, line 22, with the following rewritten paragraph:

The test sample is also reacted with one or more second specific oligonucleotide probes, the second oligonucleotide probe being labeled with a catalyst, preferably with a thermostable peroxidase, and most preferably with soybean peroxidase. In the preferred system, reaction of the test sample with the immobilized first oligonucleotide and the second labeled oligonucleotide is simultaneous. Such a system is diagrammatically represented in Figure 15C. B